

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	871	heater and resist\$ and conduct\$ and insulat\$ and mold and injection ((425/547) or (425/549)).CCLS.	USPAT USPAT; USOCR	OR OR	ON OFF	2002/04/02 13:55 2006/03/03 14:53
S2	130	(425/DIG.13).CCLS.	USPAT; USOCR	OR	OFF	2002/04/02 12:57
S3	258	(264/328.15).CCLS.	USPAT; USOCR	OR	OFF	2002/04/02 13:49
S4	19	heater and resistive and conductive and insulative and mold and injection	USPAT	OR	ON	2002/04/02 13:57
S5	0	DE19941038A1	DERWENT	OR	OFF	2002/04/02 14:12
S6	0	DE019941038A1	DERWENT	OR	OFF	2002/04/02 14:13
S7	0	Gunther.inv. and Otschik.inv. and Kretzschmar.inv.	DERWENT	OR	OFF	2002/04/02 14:13
S8	0	Gunther.inv.	DERWENT	OR	OFF	2002/04/02 14:14
S9	12	Olbricht	DERWENT	OR	OFF	2002/04/02 14:14
S10	2592	(silk adj2 screen\$2) and layer and substrate	US-PGPUB; USPAT	OR	ON	2002/04/08 08:20
S11	259	(silk adj2 screen\$2) and ("425"/\$.ccls. or "264"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2002/04/08 11:35
S12	1	"425"/\$.ccls. and (resistive adj trace)	US-PGPUB; USPAT	OR	ON	2002/04/08 11:35
S13	0	layer and (resistive adj trace) and (low adj resistance adj conductive)	US-PGPUB; USPAT	OR	ON	2002/04/19 12:44
S14	60	layer and (resistive) and (low adj resistance adj conductive)	US-PGPUB; USPAT	OR	ON	2002/04/19 13:24
S15	0	"425"/\$.ccls. and nozzle and (housing with (locating adj2 hole))	US-PGPUB; USPAT	OR	ON	2002/04/19 14:11
S16	0	"425"/\$.ccls. and nozzle and (housing with (locking adj2 detent))	US-PGPUB; USPAT	OR	ON	2002/04/19 13:33
S17	0	"425"/\$.ccls. and nozzle and (heater with (locking adj2 detent))	US-PGPUB; USPAT	OR	ON	2002/04/19 13:36
S18	0	"425"/\$.ccls. and nozzle and (heater with (locating adj2 hole))	US-PGPUB; USPAT	OR	ON	2002/04/19 13:36
S19	1	(resistive adj layer) with (photoforming or ((abrasive or laser) adj etching))	US-PGPUB; USPAT	OR	ON	2002/04/19 14:41
S20	1	(resistive adj layer) and (photoforming)	US-PGPUB; USPAT	OR	ON	2002/04/19 14:55
S21	30	photoforming with layer	US-PGPUB; USPAT	OR	ON	2002/04/19 15:36

## EAST Search History

S22	1	("1500 VAC" or "1000 VAC") and (insulation with ("100" near2 ohms))	US-PGPUB; USPAT	OR	ON	2002/04/19 15:51
S23	1	"resistive trace" and (low with resistance with conductive with trace)	US-PGPUB; USPAT	OR	ON	2002/04/21 16:37
S24	3	"resistive trace" and (low with resistance with conductive)	US-PGPUB; USPAT	OR	ON	2002/04/19 15:59
S25	0	detent and locking and hole and connector and housing and "425"/\$. ccls. and heater and nozzle	US-PGPUB; USPAT	OR	ON	2002/04/21 16:39
S26	467	housing and "425"/\$.ccls. and heater and nozzle	US-PGPUB; USPAT	OR	ON	2002/04/21 16:48
S27	0	(detent and locking and hole and connector and housing and "425"/\$. ccls. and heater and nozzle) and (nozzle with heater) and dielectric	US-PGPUB; USPAT	OR	ON	2002/04/21 16:49
S28	3	(housing and "425"/\$.ccls. and heater and nozzle) and (nozzle with heater) and dielectric	US-PGPUB; USPAT	OR	ON	2002/04/21 16:53
S29	545	((425/185) or (425/186)).CCLS.	USPAT; USOCR	OR	OFF	2003/05/14 12:58
S30	929	(425/192R).CCLS.	USPAT; USOCR	OR	OFF	2003/05/14 13:59
S31	2	425/182-196.ccls. and (lock or locking) and ((nozzle) with (heater or substrate))	US-PGPUB; USPAT	OR	ON	2003/05/14 14:03
S32	37	425/182-196.ccls. and ((nozzle) with (heater or substrate))	US-PGPUB; USPAT	OR	ON	2003/05/14 14:04
S33	29	(screen adj printing) and (tubular or nozzle) and "425"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2003/05/14 14:20
S34	76	(substrate with heater) and (heater with thick with film with ink)	US-PGPUB; USPAT	OR	ON	2003/11/20 15:42
S35	1	("6222166").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/12/22 17:09
S36	1	("5396350").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/12/22 18:48
S37	0	((("5396350").PN.) and lenticular	US-PGPUB; USPAT	OR	ON	2003/12/22 18:49
S38	1	((("5396350").PN.) and array	US-PGPUB; USPAT	OR	ON	2003/12/22 18:54
S39	1	((("5396350").PN.) and waveguide	US-PGPUB; USPAT	OR	ON	2003/12/22 18:54
S40	4	((("5702653") or ("6222166") or ("5295801") or ("6361300")).PN.	USPAT; USOCR	OR	OFF	2004/03/31 09:00

## EAST Search History

S41	1	("5641421").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/12/22 17:52
S43	20	(silk with screen with contact with pad)	US-PGPUB; USPAT	OR	ON	2005/06/27 05:16
S44	6	heater and "dielectric layer" and "resistive layer" and "thermal coefficient"	US-PGPUB; USPAT	OR	ON	2005/06/22 21:52
S45	0	heater and "dielectric layer" and "resistive layer" and "thermal coefficient"	DERWENT	OR	ON	2005/06/22 21:52
S46	26	("3425864"   "3968347"   "4032751"   "4280046"   "4310745"   "4498071"   "4697165"   "4713530"   "4724305"   "4776070"   "4808490"   "4813372"   "4860434"   "5344696"   "5408070"   "5414245"   "5434388"   "5600414"   "5616263"   "5643483"   "5665262"   "5705272"   "5822675"   "5841111").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/23 13:52
S47	1	("6222166").PN.	US-PGPUB; USPAT	OR	OFF	2005/06/27 05:16
S48	1136	(219/543).CCLS.	USPAT; USOCR	OR	OFF	2006/02/14 15:43
S50	2494	(338/307-309).CCLS.	USPAT; USOCR	OR	OFF	2006/02/15 17:23
S51	1136	(219/543).CCLS.	USPAT; USOCR	OR	OFF	2006/02/14 15:43
S52	412	S51 and heater	US-PGPUB; USPAT	OR	ON	2006/02/14 15:44
S53	1252	((392/480) or (392/473)).CCLS.	USPAT; USOCR	OR	OFF	2006/02/15 15:05
S54	2494	(338/307-309).CCLS.	USPAT; USOCR	OR	OFF	2006/02/15 17:24
S55	941	S54 and film	US-PGPUB; USPAT	OR	ON	2006/02/15 17:24
S56	228	("392"/\$.ccls. or "338"/\$.ccls.) and (nozzle with heater)	US-PGPUB; USPAT	OR	ON	2006/03/03 14:59
S57	256	("392"/\$.ccls. or "338"/\$.ccls.) and (tubular near2 heater)	US-PGPUB; USPAT	OR	ON	2006/03/03 14:59
S58	240	S57 NOT S56	US-PGPUB; USPAT	OR	ON	2006/03/03 15:56
S59	3	"6025577"	US-PGPUB; USPAT	OR	ON	2006/03/03 15:56
S60	1	("6025577").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/03 15:56

## EAST Search History

S61	9	("3774013"   "3829657"   "5080579"   "5460330"   "5549078"   "5667712"   "5830524"   "5850072"   "5871786"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 15:56
S62	2	("6025577").URPN.	USPAT	OR	ON	2006/03/03 15:58
S63	6289	((425/547) or (425/549) or (425/DIG. 13) or (264/328.15) or (425/185) or (425/186) or (425/192R) or (338/307-309) or (219/543) or (392/480) or (392/473)).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/13 06:01
S64	979	S63 and @PD>="20020421"	US-PGPUB; USPAT	OR	ON	2006/11/13 06:01
S65	4983	((425/185) or (425/186) or (425/192R) or (338/307-309) or (219/543) or (392/480) or (392/473)). CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/13 06:01
S66	1362	((425/547) or (425/549) or (425/DIG. 13) or (264/328.15)).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/13 06:01
S67	314	S66 and @PD>="20020421"	US-PGPUB; USPAT	OR	ON	2006/11/13 06:02
S68	84	S66 and @PD>="20050622"	US-PGPUB; USPAT	OR	ON	2006/11/13 06:02
S70	174	S65 and @PD>="20050622"	US-PGPUB; USPAT	OR	ON	2006/11/13 06:02